PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known				
Application Number	10/575,672			
Filing Date	04/10/06			
First Named Inventor	James Croft			
Art Unit				
Examiner Name				
Attorney Docket Number	00025-22151.PCT.US			

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
/PL/	1	1,616,639	2/8/27	Sprague			
/PL/	2	1,764,008	6/17/30	Crozier			
/P[/	3	1,799,053	3/31/31	Mache			
/PL/	4	1,809,754	6/9/31	Steedle			
/PL/	5	1,951,669	3/20/34	Ramsey .			
/PL/	6	1,983,377	12/4/34	Kellogg			
/PL/	7	2,461,344	2/8/49	Olson			
/PL/	8	2,855,467	10/7/58	Curry			
/PL/	9	2,872,532	2/3/59	Buchmann et al			
/PL/	10	2,935,575	5/3/60	Bobb			
/PL/	11	2,975,243	3/14/61	Katella			
/PL/	12	2,975,307	3/14/61	Schroeder et al			
_/PL/	13	3,008,013	11/7/61	Williamson et al			
/PL/	14	3,012,222	12/5/61	Hagemann			
/PL/	15	3,136,867	6/9/64	Brettell			
/PL/	16	3,345,469	10/3/67	Rod			
/PL/	17	3,373,251	3/12/68	Seeler			
/PL/	18	3,389,226	6/18/68	Peabody			
/PL/	19	3,398,810	8/27/68	Clark III			
/PL/	20	3,461,421	8/12/69	Stover			
/PL/	21	3,544,733	12/1/70	Reylek			
/PL/	22	3,612,211	10/12/71	Clark III			
/PI /	23	3,613,069	10/12/71	Cary, Jr.			
/PL/	24	3,654,403	4/4/72	Bobb, deceased			
/PL/	25	3,674,946	7/4/72	Winey			

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Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where		
Initials*	No.1	Country Code ³ - Number ⁴ – Kind Code ⁵	Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	Т€	

Examiner	Date	
Signature	Considered	<u> </u>

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C. h. 1/1 h. C. C	Complete if Known		
Substitute for form 1449/PTO	Application Number	10/575,672	
INFORMATION DISCLOSURE	Filing Date	04/10/06	
STATEMENT BY APPLICANT	First Named Inventor	James Croft	
(Use as many sheets as necessary)	Art Unit		
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Sheet of	Attorney Docket Number	00025-22151.PCT.US	

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/PL/	26	3,710,332	1/9/73	Tischner et al		
/PL/	27	3,723,957	3/27/73	Damon		
/PL/	28	3,742,433	6/26/73	Kay et al		
/PI /	29	3,787,642	1/22/74	Young Jr.		
/PL/	30	3,821,490	6/28/74	Bobb		
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/PL/	32	3,833,771	9/3/74	Collinson		
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/PI /	34	3,892,927	7/1/75	Lindenberg		
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/PL/	36	3,941,946	3/2/76	Kawakami et al		
/PI /	37	3,997,739	12/14/76	Kishikawa et al		
/PL/	38	4,015,089	03/29/77	Ishii et al.		
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/PL/	40	4,064,375	12/20/77	Russell et al		
PL/	41	4,160,882	7/10/79	Driver		
/PL/	42	4,207,571	6/10/80	Passey		
/PI /	43	4,210,786	7/1/80	Winey		
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/PL/	45	4,245,136	1/13/81	Krauel, Jr.		
/PL/	46	4,284,921	8/18/81	Lemonon et al		
/PL/	47	4,289,936	9/15/81	Civitello		
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/PI /	50	4,378,596	3/29/83	Clark		
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/PI /	52	4,418,404	11/29/83	Gordon et al		
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/PL/	55	4,434,327	2/28/84	Busch-Vishniac et al	
/PL/	56	4,439,642	3/27/84	Reynard	
/PL/	57	4,471,172	9/11/84	Winey	
/PL/	58	4,480,155	10/30/84	Winey	
/PL/	59	4,550,228	10/29/85	Walker et al	
/PL/	60	4,558,184	12/10/85	Busch-Vishniac et al	
_/PL/	61	4,593,160	6/3/86	Nakamura	
/PI /	62	4,593,567	6/10/86	Isselstein et al	
/PL/	63	4,600,891	07/1986	Taylor, Jr. et al.	
/PL/	64	4,672,591	6/9/87	Breimesser et al	
/PL/	65	4,695,986	9/22/87	Hossack	
/PL/	66	4,751,419	6/14/88	Takahata	
/PL/	67	4,784,915	11/15/88	Sakagami et al.	
/P[/	68	4,803,733	2/7/89	Carver et al	
/PI /	69	4,823,908	4/25/89	Tanaka et al	
/PL/	70	4,837,838	6/6/89	Thigpen et al	
/PL/	71	4,885,781	12/5/89	Seidel	
/PL/	72	4,887,246	12/12/89	Hossack et al	
/PL/	73	4,888,086	12/19/89	Hossack et al	
/PL/	74	4,903,703	2/27/90	Igarashi et al	
/PL/	75	4,908,805	3/13/90	Sprenkels et al	
/PL/	76	4,939,784	7/3/90	Bruney	
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/PI /	80	5,115,672	5/26/92	McShane et al	
//P[/	81	5,142,511	8/25/92	Kanai et al	
/PL/	82	5,153,859	10/6/92	Chatigny et al	
/PL/	83	5,287,331	2/15/94	Shindel et al	· · · · · · · · · · · · · · · · · · ·

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/PL/	84	5,317,543	5/31/94	Grosch		
/PL/	85	5,357,578	10/18/94	Taniishi		
/PL/	86	5,392,358	2/21/95	Driver		
/PL/	87	5,430,805	7/4/95	Stevenson et al		
/PL/	88	5,487,114	1/23/96	Dinh		
/PL/	89	5,539,705	07/1996	Akerman et al.		
/PL/	90	5,638,456	6/10/97	Conley et al		
/PL/	91	5,700,359	12/23/97	Bauer		
/PI /	92	5,767,609	06/16/98	Suganuma		
/PL/	93	5,745,582	04/1998	Shimpuku et al.		
7PL/	94	5,758,177	05/1998	Gulick et al.		
/PI /	95	5,859,915	1/12/99	Norris		
/ 1 (44)	96	5,885,129	3/23/99	Norris		
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/PL/	99	5,982,805	11/09/99	Kaneda		
/PL/	100	6,011,855	1/4/00	Selfridge et al		
/PL/	101	6,044,160	03/28/00	Norris		
/PL/	102	6,108,427	8/22/00	Norris et al		
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/PI /	111	6,445,804	09/2002	Hirayanagi		
/PL/	112	6,556,687	04/290/3	Manabe		
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	Number-Kind Codes	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
114	6,859,096	02/2005	Tanaka et al.	
115	1,643,791	04/1924	Slepian	
116	3,012,107	12/1961	Hanlet	
117	3,908,098	09/1975	Kawakami et al.	
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120	5,748,758	05/1998	Menasco, Jr. et al.	
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142	4,166,197	08/28/79	Moog, et al.	
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	115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142	115 1,643,791 116 3,012,107 117 3,908,098 118 3,961,291 119 4,809,355 120 5,748,758 121 6,104,825 122 6,108,433 123 2002/0191808 124 2002/0101360 125 6,771,785 126 5,662,190 127 2001/0007591 128 6,666,374 129 6,584,205 130 6,577,738 131 3,641,421 132 4,005,278 133 4,265,122 134 4,418,248 135 4,429,194 136 4,432,079 137 4,433,750 138 5,181,301 139 5,844,998 140 4,994,687 141 5,052,336 142 4,166,197	115 1,643,791 04/1924 116 3,012,107 12/1961 117 3,908,098 09/1975 118 3,961,291 06/1976 119 4,809,355 02/1989 120 5,748,758 05/1998 121 6,104,825 08/15/00 122 6,108,433 08/22/00 123 2002/0191808 12/19/02 124 2002/0101360 08/01/02 125 6,771,785 08/03/04 126 5,662,190 09/02/97 127 2001/0007591 07/12/01 128 6,666,374 12/23/03 129 6,584,205 06/24/03 130 6,577,738 06/10/03 131 3,641,421 02/08/72 132 4,005,278 01/25/77 133 4,265,122 05/05/81 134 4,418,248 11/29/83 135 4,429,194 01/31/84 136 4,432,079 02/14/84 <	115 1,643,791 04/1924 Slepian 116 3,012,107 12/1961 Hanlet 117 3,908,098 09/1975 Kawakami et al. 118 3,961,291 06/1976 Harper et al. 119 4,809,355 02/1989 Drefahl 120 5,748,758 05/1998 Menasco, Jr. et al. 121 6,104,825 08/15/00 Thippen 122 6,108,433 08/22/00 Norris 123 2002/0191808 12/19/02 Croft III. et al. 124 2002/0101360 08/01/02 Schrage 125 6,771,785 08/03/04 Pompei 126 5,662,190 09/02/97 Abe 127 2001/0007591 07/12/01 Pompei 128 6,666,374 12/23/03 Green et al. 129 6,584,205 06/24/03 Croft III 130 6,577,738 06/10/03 Norris et al. 131 3,641,421 02/08/72 Graf et al.

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			FOREIGN PATE	NT DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where	
Initials*	No.1	Country Code ³ - Number ⁴ – Kind Code ⁵	Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	T⁵
/PL/	144	H2-265400	10/30/90	Sony Corporation		
/PL/	145	WO 01/08449	2/1/01	Sennheiser Electronic		
/PL/	146	WO 01/52437	7/19/01	Pompei		
/PL/	147	JP 2265397	10/1990	Matsushita Electric Works LTD		
/PL/	148	JP 360021695A	02/04/85	Shiyouichi Sasabe		
/PI /	149	EP 0 973 152	01/19/00	Massachusetts Institute of Tech		
	150	EP 0 599 250	06/01/94	Cano Kabushiki Kaisha		
/PL/	151	WO 99/35881	07/15/99	Sony Corporation		
/P[/	152	WO 01/33902	05/10/01	ATC		
PL/	153	WO 99/35884	07/15/99	ATC		
	/154	WO 98/49868	04/30/98	ATC		
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Substitu	ite for form 1449/PTO		Complete if Known			
0000			Application Number	10/575,672		
INF	ORMATION D	ISCLOSURE	Filing Date	4/10/2006		
STA	TEMENT BY	APPLICANT	First Named Inventor	CROFT, JAMES J. III		
	(llas as many sheets		Art Unit			
(Use as many sheets as necessary)		Examiner Name				
Sheet		of	Attorney Docket Number	00025-22151.PCT.US		

,		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/PL/	1	ULTRASONIC RANGING SYSTEM by Polaroid Corporation, date unking 19 pages.	own,
/PL/	2	EXCERPTS FROM ON COMBINATION TONES by Helmholtz, Editor's Comments on Paper 16, pages 228-238, date unknown.	
/PL/	3	AOKI, KENICHI et al. "PARAMETRIC LOUDSPEAKER - CHARACTERISTICS OF ACOUSTIC FIELD AND SUITABLE MODULATION OF CARRIER ULTRASOUND, Electronics and Communications in Japan, Part 3, Vol. 74, No. 9, pp. 76-82 (1991)	
/PL/	4	MAKAROV, et al. "PARAMETRIC ACOUSTIC NONDIRECTIONAL RADIATOR", Acustica, Vol. 77, pp. 240-242 (1992)	
/PL/	5	YONEYAMA, et al, THE AUDIO SPOTLIGHT: AN APPLICATION OF NONLINEAR INTERACTION OF SOUND WAVES TO A NEW TYPE OF LOUDSPEAKER DESIGN, J. Acoustical Society of America 73(5), May 1983, pages 1532-1536	
/PL/	6	CRANDALL, I.B. "The Air-Damped Vibrating System: Theoretical Calibration of the Condenser Transmitter, American Physical Society, Dec. 28, 1917, pages 449-460	
/PL/	7	Peter J. W., "PARAMETRIC ACOUSTIC ARRAY", The Journal of the Acoustical Society of America, Volume 35, Number 1, April 1963, pages 535-537	
/PL/	8	Wagner, Ronald, ELECTROSTATIC LOUDSPEAKER DESIGN AND CONSTRUCTION, Chapters 4 and 5, pages 59-91, Audio Amateur Press Publishers, 1993	
./PL/	9	BERKTAY, H.O., "POSSIBLE EXPLOITATION OF NON-LINEAR ACOUSTICS IN UNDERWATER TRANSMITTING APPLICATIONS", Department of Electronic and Electrical Engineering University of Birmingham, Edgbaston, Birmingham 15, England (Received April 13, 1965)	
/PL/	10	BERKTAY, H.O. et al. "Arrays of Parametric Receiving Arrays," The Journal of the Acoustical Society fo America, pp. 1377-1383.	

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Substitut	te for form 1449/PTO			Complete if Known				
Substitut	oubstitute for form 14457/10			Application Number	10/575,672	•		
INFO	DRMATION	DIS	CLOSURE	Filing Date	4/10/2006			
STA	TEMENT B	Y A	PPLICANT	First Named Inventor	CROFT, JAMES J. III			
	///	-4		Art Unit				
(Use as many sheets as necessary)			ecessary)	Examiner Name				
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/PL/	11	PIWNICKI, KONRAD, "Modulation Methods Related to Sine-Wave Crossings" IEEE Transactions on Communications, 1983, pgs. 503-508, Vol. COM-31, No. 4.	
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/PL/	13	Pompei; The Use of Airborne Ultrasonics for Generating Audible Sound Beams; Presented at the 105th Convention 1998 September 26-29.	
/PL/	14	MOFFETT et al. "Model for parametric acoustic sources." J. Acoust. Soc. Am., Feb 1977, pgs. 325-337, Vol. 61. No. 2	
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/PL/	19	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 2 pages. date unknown	n.
/PL/	20	KITE et al. "Parametric Array in Air: Distortion Reduction by Preprocessing," Applied Research Laboratories, University of Texas, 11 pages. date unkno	wn.

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			Application Number	10/575,672	
INF	ORMATION DISC	CLOSURE	Filing Date	4/10/2006	
STA	TEMENT BY AF	PPLICANT	First Named Inventor	CROFT, JAMES J. III	
	<i>(1)</i>		Art Unit		•
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/PL/	น	WILLETTE et al. "Harmonics of the difference frequency in saturation-limited parametric sources." J. Acoust. Soc. Am., Dec. 1977, pgs. 1377-1381, Vol. 62, No. 6.	
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